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NUMBER SALES SYSTEM, ID
NUMBER MANAGEMENT SYSTEM
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ABSTRACT:

PROBLEM TO BE SOLVED: To provide an ID number sales method that sells ID numbers, which have been sold attached to a pre-paid card, through the Internet.

SOLUTION: A user accesses an ID number sales system, installed over the Internet and transmits a purchase request of the ID number to receive a desired service, and the ID number sales system calls a digital settlement agency to make the digital settlement agency to check whether or not

the user is
registered in the digital settlement agency as its
membership, the ID number
sales system delivers the object ID number to the user and
sells the ID number
to the user, after confirming its registration.

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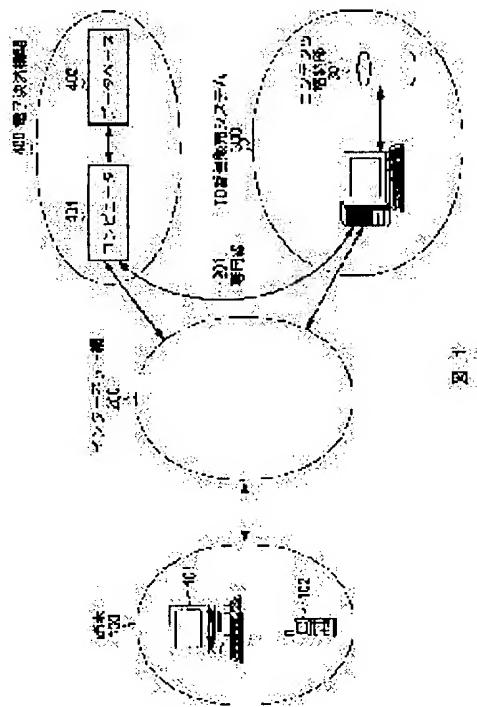
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(54) SALES METHOD FOR ID NUMBER, ID NUMBER SALES SYSTEM, ID NUMBER MANAGEMENT SYSTEM

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PROBLEM TO BE SOLVED: To provide an ID number sales method that sells ID numbers, which have been sold attached to a pre-paid card, through the Internet.

SOLUTION: A user accesses an ID number sales system, installed over the Internet and transmits a purchase request of the ID number to receive a desired service, and the ID number sales system calls a digital settlement agency to make the digital settlement agency to check whether or not the user is registered in the digital settlement agency as its membership, the ID number sales system delivers the object ID number to the user and sells the ID number to the user, after confirming its registration.



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DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] The block diagram for explaining the outline of the ID number sales method by this invention, and an ID number sale system.

[Drawing 2] Drawing for explaining an example of the sequence of the dial in the case of telephoning using the ID number sold by the ID number sales method of this invention.

[Drawing 3] The block diagram for explaining one example of the ID number sale system shown in drawing 1.

[Drawing 4] The block diagram showing other examples of the ID number sale system shown in drawing 3.

[Drawing 5] Drawing for explaining the interior of the sold ID number storage section used for the ID number sale system shown in drawing 4.

[Drawing 6] Drawing showing the example of the display at the time of resending an ID number.

[Drawing 7] The block diagram showing other examples of the ID number sale system shown in drawing 3.

[Drawing 8] The block diagram for explaining the outline of the ID number managerial system of this invention.

[Drawing 9] The block diagram for explaining one example of the ID number managerial system of this invention.

[Drawing 10] The block diagram showing the deformation example of the example shown in drawing 9.

[Description of Notations]

100,100A, 100B Terminal

200 Internet Network

300 ID Number Sale System

301 Contents Storing Section

302 CPU

303 IP Address Grant Means

304 Electronic Banking Engine Call Means

305 Examination Demand Means

306 Judgment Means

307 ID Number Generation Section

308 ID Number Forwarding Means

309 Sold ID Number Storage Section

310 Interface

311 URL Generation Section for ID Number Check

312 Collating Means

313 Web Page Group for ID Number Check

400 Electronic Banking Engine

401 Computer
402 Data Base
500 ID Number Managerial System
502 CPU
503 ID Number Reading Means
504 Retrieval Means
505 Telephone Number Reading Means
506 Line Control Means
507 Addition Means
508 Operation Means
509 Data Base
510 Interface
511 Contents Storing Section
512 Forwarding Control Means
513 Call Frequency Management Tool

[Translation done.]

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DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[The technical field to which invention belongs] This invention relates to the ID number sale system for realizing the sales method and this ID number sales method of the ID number which can be used as an ID number of for example, an international call prepaid card service, and the sold managerial system of an ID number.

[0002]

[Description of the Prior Art] The collection method of a prepaid card method is conventionally used as the usage fee collection method of an international call. While the ID number whose check by looking is attained by shaving off a coat is given to the prepaid card in this case and a purchaser refers to this ID number, it memorizes (a note is made by note etc.), and a call will become possible if dial-in of this ID number is carried out with a call phase hand's telephone number. Duration of a call is integrated for every ID number, and if the amount of money defined beforehand is reached, the ID number will be made into an invalid, and the call by the ID number is made impossible after that.

[0003] According to this prepaid card method, a prepaid card is inserted in the automatic reader of telephone, and since it is not the method which makes a tariff read with an automatic reader, there is no possibility of suffering the damage by forgery. It is the method excellent in this point.

[0004]

[Problem(s) to be Solved by the Invention] Although the sale of the international call prepaid card mentioned above is generally sold in the dealer of a convenience store or an airport etc., there is inconvenience which cannot be purchased if it does not go out to the dealer. When a voyage has been made to especially overseas, there is a defect which cannot be sold to a user by the conventional sales method to purchase a prepaid card (the call using a prepaid card has a high discount rate). In order for domestic to have to contract with many dealers from origin also abroad in order to cancel these defects, and to have to request a sale, the expense for it is huge and has the defect which needs many helps also for the employment.

[0005] the object of this invention -- every country in the world -- even if it does not go out from where to the location in which the dealer or the automatic vending machine is installed, it is going to offer the ID number sales method which can sell the ID number which should be sold by giving a prepaid card freely, and an ID number sale system and an ID number utilization system.

[0006]

[Means for Solving the Problem] By sending a purchase demand of an ID number for a user to receive service which accesses an ID number sale system installed on the Internet, and he wishes in claim 1 of this invention An ID number sale system calls an electronic banking engine, and member registration of the user is carried out at this electronic banking engine. And it checks that it makes it investigate whether there is any solvency, and is registered, and there is solvency, the target ID number is sent to a user, and an ID number sales method which sells an ID number is proposed.

[0007] In claim 2 of this invention, in an ID number sales method according to claim 1, an electronic

banking engine collects an ID number sale price from a user, and it proposes an ID number sales method paid to a management person of an ID number sale system from an electronic banking engine. In claim 3 of this invention, set they to be [any of an ID number sales method according to claim 1 or 2], and prepare a step into which a purchase candidate is made to input a personal identification number into a procedure for the purchase of an ID number, the storage section is made to memorize this personal identification number and URL for an ID number check prepared for every ID number, and an ID number sales method which sends an ID number and URL for an ID number check to a purchase candidate is proposed.

[0008] It sets in claim 4 of this invention they to be [any of an ID number sales method according to claim 1 or 2]. While preparing a step into which a purchase candidate is made to input a personal identification number into a procedure for the purchase of an ID number and making the storage section memorize this personal identification number and URL for an ID number check prepared for every ID number An ID number sales method which adds and sends URL for a access number display which was prepared in common to all ID numbers in addition to an ID number and URL for an ID number check to an ID number purchase candidate is proposed. An electronic banking engine call means to send a connection request to an electronic banking engine to an ID number purchase demand from a terminal in claim 5 of this invention, An examination demand means for an ID number purchase candidate to be registered by the electronic banking engine concerned, and to request examination of whether to be the member of normal from an electronic banking engine, An ID number sale system possessing a judgment means to judge whether an ID number is sent to an ID number purchase candidate according to results of an investigation, and an ID number forwarding means to ship an ID number generated in the ID number generation section to an ID number purchase candidate's terminal by judgment result of this judgment means is proposed.

[0009] In claim 6 of this invention, in an ID number sale system according to claim 5, the URL generation section for an ID number check which was generated in the ID number generation section and which matches and prepares URL for an ID number check for every ID number is prepared, and an ID number forwarding means proposes an ID number sale system considered as a configuration which adds URL for an ID number check to an ID number, and is shipped to an ID number purchase candidate's terminal. In claim 7 of this invention, it sets they to be [any of an ID number sale system according to claim 5 or 6], the URL generation section for a access number display which generates URL for a access number display common to all the ID numbers is prepared, and an ID number sale system which ships URL for a access number display which this URL generation section for a access number display generates to an ID number purchase candidate's terminal with an ID number is proposed.

[0010] URL for an ID number check given to each of an ID number [finishing / a sale] and an ID number [finishing / a sale] in claim 8 of this invention, A conversion table which memorized as a group a personal identification number of each purchaser who inputted at the time of a sale is provided. When URL for an ID number check and a personal identification number are sent from a terminal, it collates whether URL for an ID number check and a personal identification number exist in a conversion table. An ID number sale system which considered a web page specified by URL for an ID number check only within a case where it exists in a conversion table as a configuration returned to a terminal which sent URL for an ID number check and a personal identification number is proposed.

[0011] URL for a access number display appended to an ID number [finishing / a sale] in claim 9 of this invention, Provide a web page accessed by area name and a access number set to this web page for every every place region is described. When URL for a access number display and an area name are sent from a terminal An ID number sale system considered as a configuration which established a forwarding means to ship a web page which described information convenient for a access number and a user of the specified area to a terminal which sent the URL for a access number display and area name is proposed.

[0012] An ID number reading means to read in a terminal an ID number sent following a connection request in claim 10 of this invention, A retrieval means to search whether an ID number which this ID number reading means read is effective, A line control means to connect a circuit of a terminal to a

circuit of the telephone number of a connection phase hand to whom it is sent from a terminal when a retrieval result of this retrieval means is effective, An ID number managerial system which carried out subtraction processing from time amount which was assigned to an ID number using an addition means to integrate a connect time of a circuit, and time amount integrated at the time of line disconnection, and which can be talked over the telephone and which was considered as a configuration possessing an operation means to make the account of time 100 million section memorize the subtraction result is proposed.

[0013] An ID number reading means to read in a terminal an ID number sent following a connection request in claim 11 of this invention, A retrieval means to search whether an ID number which this ID number reading means read is effective, A contents storing means to display the content of goods sold to a terminal when a retrieval result of this retrieval means is effective, A forwarding control means which performs forwarding procedure of the goods according to a response of which goods to purchase from a terminal, Prices of goods are subtracted from a price assigned to an ID number, and an ID number managerial system considered as a configuration possessing an operation means returned to the amount-of-money storage section of an ID number which corresponds the subtraction result is proposed.

[0014] In claim 12 of this invention, goods propose an ID number managerial system which it is in an identification number for permitting an article or entrance, or any of offer of service in an ID number managerial system according to claim 11.

Since according to an ID number sales method and an ID number sale system by invention of ***** a user's terminal can be connected to a server, i.e., an ID number sale system, through the Internet and an ID number can be purchased from this ID number sale system, an ID number can be purchased if there is even a terminal connectable at hand even from where of the world at the Internet. Therefore, there is no need of going to a dealer or an installation of an automatic vending machine as a user, and an ID number can be freely purchased with a house or lodging. Moreover, since it is not necessary to contract a selling agreement with a dealer of many numbers as a sale side, an ID number can be sold at cheap expense. Moreover, since it requires only managing ID sale system in employment of a sale system, an advantage with which employment expense can also be managed few is acquired.

[0015] Moreover, according to the ID number utilization system by this invention, a connection service of the telephone line can perform from origin a sale of an ID number which changes to a sale of an article or an admission ticket, or various services etc. Therefore, the application is considered widely and an advantage which can build a high ID number utilization system of utility value is acquired.

[0016]

[Embodiment of the Invention] The outline of the ID number sale system by this invention is shown in drawing 1 . In addition, in order to finish explanation simply here, it explains as an example applied to a telephone connection service as a utilization gestalt of an ID number. The ID number sale system according [300] to this invention and 400 show the electronic banking engine in which electronic banking like a consumer credit company or a credit card company is possible according [the terminal with which a user operates 100 in drawing, and 200] to the Internet network. A terminal 100 can use a terminal connectable with the Internet network 200, for example for the personal computer or a terminal like an I mode (trademark of NTT DoCoMo, Inc.) which can be connected with the Internet network 200.

[0017] If it connects with the ID number sale system 300 through the Internet network 200 and a terminal 100 sends the purchase demand of an ID number, as for the ID number sale system 300, the electronic banking engine's 400 computer 401 will be called first. Connection between the ID number sale system 300 and the electronic banking engine 400 is made via the Internet network 200 or a dedicated line 201. Suppose that the user is beforehand registered as the electronic banking engine's 400 member, and there is solvency as requirements which the user who uses the ID number sales method by this invention here should have. That is, let it be requirements for there to be solvency of the amount of money which the credit card is given from the electronic banking engine 400, and can attest that he is a principal as a credit card number with a principal name, and it is going to use.

[0018] the terminal 100 with which the electronic banking engine's 400 computer 401 sent the purchase

demand of an ID number -- receiving -- a principal -- an authentication sake -- a principal -- the input of a credit card number, a personal identification number, etc. is required as a name. An input of the name which answers this and has been beforehand registered from the terminal 100, a credit card number, and a personal identification number collates whether the electronic banking engine's 400 computer 401 has the solvency of a name, a credit card number, a personal identification number, and the utilization amount of money in the data base 402 of its company. If it is checked as a result of collating that member registration is carried out to be sure and it is checked that there is solvency by the member with the still more effective member, the electronic banking engine's 400 computer 401 will notify the result of the check to the ID number sale system 300. When member registration is not carried out, or when there is no solvency, the ID number sale system 300 notifies that to a terminal 100, and cuts connection. [0019] If the result of having attested he having been the member from the electronic banking engine 400 is received, the ID number sale system 300 will send an ID number to the terminal 100 which sent the purchase demand of an ID number, and will display an ID number on a terminal 100. A user writes down the displayed ID number on paper etc., and prepares for subsequent utilization. Although the above is the outline of an ID number sales method, the following devices are given if needed. That is, it is asked which selling price the ID number sale system 300 chooses by notifying the classification (for example, the class and the selling price of time amount which can talk over the telephone) of the ID number sold as opposed to the terminal 100 which wished the purchase of an ID number, when the result attested with the user of the terminal 100 which sent the purchase demand from the electronic banking engine 400 being the member is received. Reading appearance of this advice is carried out from the contents storing section 301 with which the ID number sale system 300 was equipped, it is shipped to a terminal 100, and is displayed on the drop of a terminal 100. A user chooses the class (selling price) displayed on the drop, and returns the result of the selection to the ID number sale system 300.

[0020] The ID number sale system 300 sends the ID number belonging to the returned selling price to a terminal 100, and completes a sale. In addition, the ID number to sell consists of very difficult digit strings, for example, can make it the magnitude of about 15 figures to forge only by having been created according to the algorithm defined beforehand and enumerating numeric characters simply. When a purchaser forgets the purchased ID number as a device of further others taken at the time of the sale of an ID number, it is the point which lectures on the treatment for relieving this. for this reason -- being alike -- it can constitute so that the ID number purchased when URL and the web page beforehand corresponding to the ID number sale system 300 the whole ID number were prepared and a user incorporated this web page to the self terminal 101 or 102 can be reconfirmed. [finishing / a sale]

[0021] URL indicating the web page assigned to each ID number is attached, it sends to a user's terminal 100, and the ID number which for that is sold at the time of the sale of an ID number stores URL in a terminal 100. In addition, since there is risk of suiting a theft when each terminal 101 or 102 is made to memorize an ID number, storing an ID number in a terminal 100 forbids. The personal identification number inputted with URL at the time of a sale in order to incorporate a web page to a terminal 100 (it inputs from a terminal 100 at the time of a sale) It is made to input from a terminal 100. this -- the ID number sale system 300 -- memorizing -- The web page which has described the ID number in the phase which had complete set of conditions these URL and whose personal identification numbers corresponded with storage of a point of sales is sent to a terminal 100, the ID number which must have been purchased to the terminal 101 or the drop of 102 is displayed, and it is made to reconfirm.

[0022] Moreover, as the method of other services, by this kind of telephone connection service, in case it talks over the telephone using an ID number, a user needs to dial the access number beforehand defined by the location which is now. For example, in case it talks over the telephone from Japan to the United States, as shown in drawing 2 , a access number as shown in "0034 --" which consists of digit strings A1 is dialed, the ID number constituted from a digit string A2 by the degree of the access number is dialed, and it is dialed in order of a call phase hand's area code which consists of a number set to the call partner country which consists of digit string A3 below, and digit string A4, and a call partner's telephone number which consists of digit-string A5.

[0023] When a user is in the United States, and it is in "001234" France, the access number dialed first is

specified as shown in "005432." Since the pamphlet which indicated this access number is attached to a prepaid card and sold when an ID number is sold with a prepaid card, a user can be made to do common knowledge thoroughness about a access number. However, when ** et al. and the ID number sales method of this invention are taken, it is necessary to tell a user about this access number by which method.

[0024] In case an ID number is sold, URL indicating the web page prepared in order to tell a access number is attached and shipped to the ID number to sell, and it is made to memorize to a terminal 100 in this invention. By making the area name showing this URL and current position send from a terminal 100, the web page which wrote the access number is sent into that terminal 100 and the ID number sales method considered as the configuration in which a access number is displayed on a terminal 100 is proposed to know a access number. The configuration of the outline of the ID number sale system 300 mentioned above to drawing 3 is shown. The contents storing section 301 which explained the ID number sale system 300 to the bottom of control of CPU302 previously, The IP address grant means 303 and an electronic banking engine call means 304 to send a connection request to the electronic banking engine 400, An examination demand means 305 to request investigating whether the user is registered into the electronic banking engine 400, the judgment means 306, the ID number generation section 307, the ID number forwarding means 308, the sold ID number storage section 309, and an interface 310 are arranged and constituted.

[0025] as explain also in advance , when the purchase demand of an ID number be input from a terminal 100 , the contents storing section 301 ship contents (the content of information) through an interface 310 to that terminal 100 , when it be check that the operator of that terminal 100 be the electronic banking engine 400 member , and the content (in this case , the class and price of time amount which can talk over the telephone) of the goods sell be display on a terminal 100 . When a message is received from a terminal 100 in a connection request, the IP address grant means 303 gives an IP address (address on the Internet) to the terminal 100 which sent the connection request, secures the connection condition between a terminal 100 and the ID number sale system 300 through the Internet network 200, and maintains the condition which can deliver and receive data.

[0026] When the purchase demand of an ID number is sent from a terminal 100, the electronic banking engine call means 304 calls the electronic banking engine's 400 computer 401, connects indirectly the terminal 100 which sent the purchase demand, and the electronic banking engine's 400 computer 401, and starts a procedure required for a credit between a terminal 100 and the electronic banking engine's 400 computer 401. When required information (a name, a credit card number, personal identification number, etc.) is inputted into a computer 401 from a terminal 100 by inquiry of the electronic banking engine's 400 computer 401, the examination demand means 305 of the ID number sale system 300 sends an examination demand to the electronic banking engine's 400 computer 401, and directs a request of examination to the electronic banking engine's 400 computer 401 by it.

[0027] According to an examination request, the name inputted into the data base 401 of its company from the terminal 100, a credit card number, a personal identification number, etc. exist, and the electronic banking engine's 400 computer 401 collates whether you are the effective member. When the result (member registration is carried out) of "validity" is obtained as a result of collating, the ID number sale system 300 sends out the class of time amount which can be talked over the telephone, and the data of a price to a terminal 100 from the contents storing section 301, and displays the contents. If the response of which class to choose from a terminal 100 is inputted, according to the selection result sent from the terminal 100, the judgment means 306 will be generated in the ID number generation section 307, will choose the ID number assigned and prepared according to each price, and will ship an ID number to a terminal 100 through the ID number forwarding means 308. The ID number shipped with this is memorized in the sold ID number storage section 309. The sale of an ID number is completed by the above.

[0028] As for the flow of the price concerning this sale, the electronic banking engine 400 collects a price from the account of a user's credit card first, the electronic banking engine 400 deducts the commission amount equivalent from this collected price, that remaining amount of money is paid to the

management person of the ID number sale system 300, and dealings are completed. In case a note of the sold ID number is made by paper etc. by the purchaser and it telephones (mainly Japan from overseas from domestic, or overseas), it can talk over the telephone by inserting this ID number in a part of dial. [0029] It attests that drawing 4 is the configuration which attaches and ships URL for an ID number check to the ID number to sell, and the principal to whom surely the operator who is operating that terminal purchased the ID number when this URL for an ID number check had been sent from the terminal 100, and the example which added the configuration which checks by resending the ID number which that principal purchased to that terminal is shown. For that, the URL generation section 311 for an ID number check is formed, different URL for every ID number sold in this URL generation section 311 for an ID number check is generated, while adding the configuration which attaches this URL to the ID number sold, and is made to ship from the ID number forwarding means 308, it attaches to this ID number and an ID number [finishing / a sale] is made to memorize shipped URL for an ID number check as a group in the sold ID number storage section 309. Furthermore, the group of this storage is made to also memorize the personal identification number which the purchase candidate inputted at the time of a sale. The example is shown in drawing 5. ID number NO.1, NO.1 of URL for an ID number check, and NO.1 of a personal identification number are memorized in a pair. URL for an ID number check and a personal identification number are similarly memorized for other ID number NO.2 and NO.3 -- in a pair.

[0030] What is necessary is to attach a personal identification number to URL for an ID number check, and just to send to it, when a user forgets an ID number. It searches whether URL for an ID number check which was prepared in the ID number sale system 300 by this URL and to which the collating means 312 has been started and sent, for example, and a personal identification number exist in the sold ID number storage section 309. When the group URL sent to the sold ID number storage section 309 and whose personal identification number correspond as a result of retrieval exists, the web page specified by URL for an ID number check sent out of the web page group 313 for an ID number check is returned to a terminal 100. As the ID number which has the relation of a pair is described to be URL for an ID number check by this web page, for example, it is shown in drawing 6, it is displayed like "the ID number which the visitor purchased is (OOOOO)."

[0031] Drawing 7 shows the example which added the URL generation section 314 for a access number display to the example shown in drawing 4. The URL generation section 314 for a access number display is given by common URL over all the ID numbers sold. Therefore, URL for an ID number check and this URL for a access number display are attached to the ID number which it sells in selling an ID number, and it ships to a terminal 100. What is necessary is just to send URL for a access number display to know a access number from a terminal 100. The top page of the web page group 315 for a access number display prepared in the ID number sale system 300 by this URL is sent to a terminal 100. A top page is asked to "Where the location in which you are now is", and an area name is displayed. If a user clicks area name of location in which self is now, for example, the United States, Canada, Britain, France, and German -- out of the area name and returns the ID number sale system 300, the web page equivalent to the area name will be chosen, it will be returned to a terminal 100, and the access number of the area will be told.

[0032] Thus, if URL for an ID number check and URL for a access number display are attached at the time of the sale of an ID number, it sends into a purchaser's terminal 100 and a personal identification number will be inputted as such URL from the terminal 100 if needed, an ID number and a access number can be told through the Internet network 200 anywhere in the world. The sale of the ID number which disadvantageous profit does not generate to a user by this is realizable. Drawing 8 shows one example of the ID number managerial system in the case of using the sold ID number (claim 10). The same sign is attached and shown in drawing 1 thru/or drawing 7, and a corresponding portion. In drawing 8, the terminal with which the user (not especially shown) using an ID number operates 100A, and 100B show the ID number managerial system [according / 500 / to this invention] according [the terminal which carries out a connection request from terminal 100A, and 210] to a telephone network. [0033] Since the example which carries out the connection service of the telephone line as a utilization

gestalt of an ID number as terminals 100A and 100B here is explained, Terminals 100A and 100B shall be a telephone set 101 or a portable telephone 102. The ID number managerial system 500 possesses the exchange 501, performs line control to the connection request from each terminal, and performs a connection service. It is beforehand told to the user that the access number for calling the ID number managerial system 500 through a telephone network 210 from terminal 100A was mentioned above, and the ID number purchased following this access number is inputted. Furthermore, terminal 100A is connected to the telephone line of a connection partner's terminal 100B by dialing in order of the country code of a connection place, a connection partner's area code, and a connection partner's telephone number. Connection of this telephone line is made by the line control means and the exchange which are formed in the ID number managerial system 500.

[0034] Drawing 9 shows the outline of the configuration of the ID number managerial system 500 shown in drawing 8. Under control of CPU502, the exchange 501, the ID number reading means 503, the retrieval means 504, the telephone number reading means 505, the line control means 506, the addition means 507, the operation means 508, a data base 509, and an interface 510 are arranged, and the ID number managerial system 500 is constituted. The sold ID number, the time added to the ID number are accumulated in a data base 509. In terminal 100A, by sending a dial signal in the sequence shown in drawing 2, the ID number managerial system 500 is accessed by the 1st digit string A1 shown in drawing 2, and the ID number managerial system 500 and terminal 100A are connected through a telephone network 210.

[0035] Then, if an ID number is sent from terminal 100A, the ID number reading means 503 will read that ID number, and will hand over this read ID number for the retrieval means 504. The ID number which received the retrieval means 504 from the ID number reading means 503 searches whether it exists in a data base 509. In addition, the ID number [finishing / a sale] memorized in the sold ID number storage section 309 prepared in the ID number sale system 300 explained previously is memorized by this data base 509. If the retrieval means 504 checks existence of an ID number in a data base 509, the telephone number reading means 505 will read the telephone number of the connection place sent from terminal 100A, and will send this telephone number into the line control means 506.

[0036] The line control means 506 sends out the telephone number of a connection place to the exchange, and makes the circuit of terminal 100A talk over the telephone by connecting with the circuit of a connection phase hand's terminal 100B. The addition means 507 integrates duration of a call. At the time of call termination, it subtracts from the time amount which can talk the ID number to which the operation means 508 used the integrated duration of a call for the call over the telephone, and the subtraction result is again returned to a data base 509. In addition, the call frequency management tool 513 will generate an alarm, if the time amount and duration of a call which can talk over the telephone during a call are supervised and the remainder of time amount which can talk over the telephone reaches predetermined time amount.

[0037] When the time amount which can talk over the telephone reaches zero, the activity of the ID number is made impossible. Other examples of the ID number sale system 300 mentioned above to drawing 10 are shown. The contents storing section 301 which explained the ID number sale system 300 to the bottom of control of CPU302 previously, The IP address grant means 303 and an electronic banking engine call means 304 to send a connection request to the electronic banking engine 400, An examination demand means 305 to request investigating whether the user is registered into the electronic banking engine 400, the judgment means 306, the ID number generation section 307, the ID number forwarding means 308, the sold ID number storage section 309, and an interface 310 are arranged and constituted.

[0038] As explained also in advance, when the purchase demand of an ID number is inputted from a terminal 100, the contents storing section 301 ships contents (the content of information, and goods) through an interface 310 to the terminal 100, when it is checked that the operator of the terminal 100 is the electronic banking engine 400 member, and the content (the classes and prices of goods) of the goods sold is displayed on a terminal 100. When a message is received from a terminal 100 in a connection request, the IP address grant means 303 gives an IP address (address on the Internet) to the

terminal 100 which sent the connection request, secures the connection condition between a terminal 100 and the ID number sale system 300 through the Internet network 200, and maintains the condition which can deliver and receive data.

[0039] When the purchase demand of an ID number is sent from a terminal 100, the electronic banking engine call means 304 calls the electronic banking engine's 400 computer 401, connects indirectly the terminal 100 which sent the purchase demand, and the electronic banking engine's 400 computer 401, and starts a procedure required for a credit between a terminal 100 and the electronic banking engine's 400 computer 401. When required information (a name, a credit card number, personal identification number, etc.) is inputted into a computer 401 from a terminal 100 by inquiry of the electronic banking engine's 400 computer 401, the examination demand means 305 of the ID number sale system 300 sends an examination demand to the electronic banking engine's 400 computer 401, and directs a request of examination to the electronic banking engine's 400 computer 401 by it.

[0040] According to an examination request, the name inputted into the data base 401 of its company from the terminal 100, a credit card number, a personal identification number, etc. exist, and the electronic banking engine's 400 computer 401 collates whether you are the effective member. When the result (member registration is carried out) of "validity" is obtained as a result of collating, the ID number sale system 300 sends out the class of goods, and the data of a price to a terminal 100 from the contents storing section 301, and displays the contents. If the response of which class to choose from a terminal 100 is inputted, according to the selection result sent from the terminal 100, the judgment means 306 will be generated in the ID number generation section 307, will choose the ID number assigned and prepared according to each goods, and will ship an ID number to a terminal 100 through the ID number forwarding means 308. The ID number shipped with this is memorized in the sold ID number storage section 309. The sale of an ID number is completed by the above.

[0041] As for the flow of the price concerning this sale, the electronic banking engine 400 collects a price from the account of a user's credit card first, the electronic banking engine 400 deducts the commission amount equivalent from this collected price, that remaining amount of money is paid to the management person of the ID number sale system 300, and dealings are completed. A note of the sold ID number is made by paper etc. by the purchaser, and it can show at the entry of a theater, and can come in; or can make it possible to exchange it for goods at a firm.

[0042]

[Effect of the Invention] Since an ID number is sold by the ID number sale system 300 installed on the Internet network 200 according to this invention as explained above, an ID number can be purchased even from where when. Therefore, since an ID number can be purchased freely even from overseas, for a user, it is very convenient. Moreover, since the side to sell does not need to request a sale of a prepaid card from a dealer, either, the advantage which can perform the sale of an ID number at very cheap expense is acquired, practical use is presented with the effect and it is size very much.

[Translation done.]

* NOTICES *

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1. This document has been translated by computer. So the translation may not reflect the original precisely.
2. **** shows the word which can not be translated.
3. In the drawings, any words are not translated.

CLAIMS

[Claim(s)]

[Claim 1] It is the ID number sales method carry out the above-mentioned ID number sale system calling an electronic-banking engine, and making this electronic-banking engine investigate whether member registration of the above-mentioned user is carried out, checking being registered by sending a purchase demand of an ID number for receiving giving [which a user accesses an ID number sale system installed on the Internet, and wishes], sending the target ID number to the above-mentioned user, and selling an ID number as the feature.

[Claim 2] It is the ID number sales method characterized by for an electronic banking engine collecting the above-mentioned ID number sale price from a user in an ID number sales method according to claim 1, and being paid to a management person of the above-mentioned ID number sale system from an electronic banking engine.

[Claim 3] An ID number sales method characterized by setting they being [any of an ID number sales method according to claim 1 or 2], preparing a step into which a purchase candidate is made to input a personal identification number into a procedure for the purchase of an ID number, making the storage section memorize this personal identification number and URL for an ID number check prepared for every ID number, and sending an ID number and URL for an ID number check to a purchase candidate.

[Claim 4] It sets they to be [any of an ID number sales method according to claim 1 or 2], and a step into which a purchase candidate is made to input a personal identification number is prepared into a procedure for the purchase of an ID number. This personal identification number, An ID number sales method characterized by adding and sending URL for a access number display which was prepared in common to all ID numbers in addition to an ID number and URL for an ID number check to an ID number purchase candidate while making the storage section memorize URL for an ID number check prepared for every ID number.

[Claim 5] An electronic banking engine call means to send a connection request to an electronic banking engine to an ID number purchase demand from a terminal, An examination demand means by which an ID number purchase candidate requests from an electronic banking engine examination of whether to be the member registered by the electronic banking engine concerned, A judgment means to judge whether an ID number is sent to an ID number purchase candidate according to results of an investigation, An ID number sale system characterized by providing an ID number forwarding means to ship an ID number generated in the ID number generation section to an ID number purchase candidate's terminal by judgment result of this judgment means.

[Claim 6] It is the ID number sale system carried out [having considered as a configuration which the URL generation section for an ID number check which was generated in the above-mentioned ID number generation section, and which matches and prepares URL for an ID number check for every ID number is prepared in an ID number sale system according to claim 5, and the above-mentioned ID number forwarding means adds the above-mentioned URL for an ID number check to an ID number, and is shipped to an ID number purchase candidate's terminal, and] as the feature.

[Claim 7] An ID number sale system characterized by shipping URL for a access number display which

sets they to be [any of claim 5 and an ID number sale system of six publications], and prepares the URL generation section for a access number display which generates URL for a access number display common to all the above-mentioned ID numbers, and this URL generation section for a access number display generates to an ID number purchase candidate's terminal with the above-mentioned ID number. [Claim 8] URL for an ID number check given to each of an ID number [finishing / a sale] and an ID number [finishing / a sale], A conversion table which memorized as a group a personal identification number of each purchaser who inputted at the time of a sale is provided. When URL for an ID number check and a personal identification number are sent from a terminal, it collates whether URL for an ID number check and a personal identification number exist in the above-mentioned conversion table. An ID number sale system characterized by considering a web page specified by the above-mentioned URL for an ID number check only within a case where it exists in the above-mentioned conversion table as a configuration returned to a terminal which sent the above-mentioned URL for an ID number check, and a personal identification number.

[Claim 9] A web page accessed by URL for a access number display appended to an ID number [finishing / a sale] and area name is provided. When a access number set to this web page for every every place region is described and URL for a access number display and an area name are sent from a terminal An ID number sale system characterized by considering as a configuration which established a forwarding means to ship a web page which described a access number of the specified area to a terminal which sent the URL for a access number display and area name.

[Claim 10] An ID number reading means to read in a terminal an ID number sent following a connection request, A retrieval means to search whether an ID number which this ID number reading means read is effective, A line control means to connect a circuit of the above-mentioned terminal to a circuit of the telephone number of a connection phase hand to whom it is sent from the above-mentioned terminal when a retrieval result of this retrieval means is effective, An ID number managerial system characterized by having carried out subtraction processing from time amount which was assigned to an ID number using an addition means to integrate a connect time of a circuit, and time amount integrated at the time of line disconnection, and which can be talked over the telephone, and considering as a configuration possessing an operation means to make the account of time 100 million section memorize the subtraction result.

[Claim 11] It is the ID number managerial system which it sets they to be [any of claims 5, 6, 7, and 8 and an ID number sale system of nine publications], and the above-mentioned contents storing section memorizes contents for displaying the content of goods to sell, and is characterized by the above-mentioned ID number generation section considering as a configuration which generates an ID number corresponding to goods stored in the above-mentioned contents storing section.

[Claim 12] It is the ID number managerial system characterized by being in an identification number for the above-mentioned goods permitting an article or entrance in an ID number managerial system according to claim 11, or any of offer of service.

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